

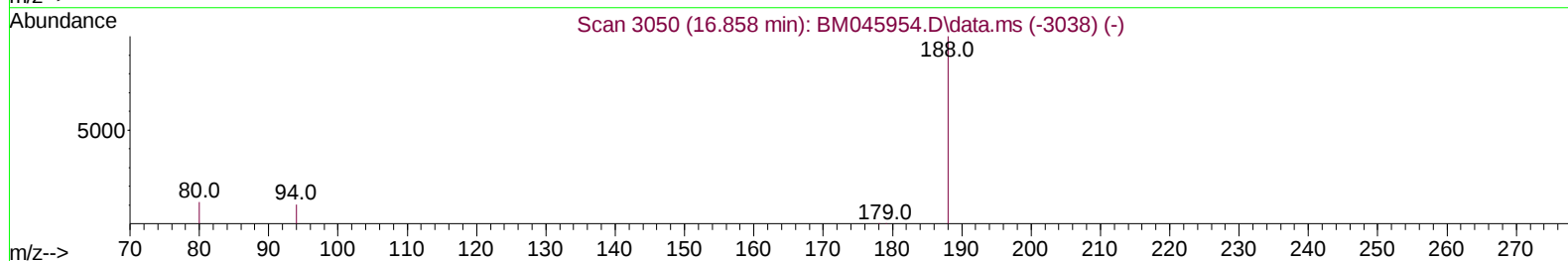
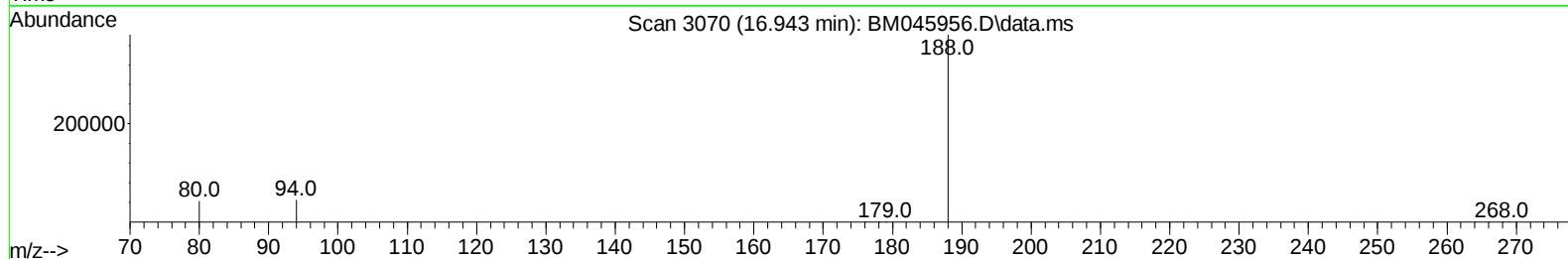
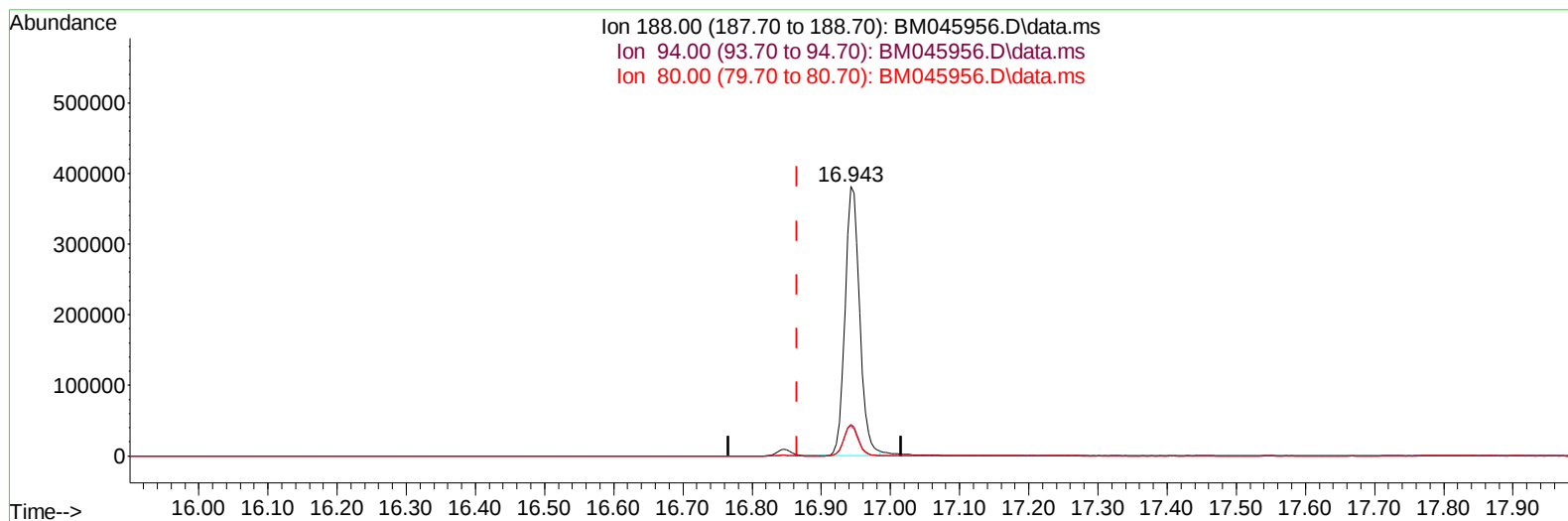
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045956.D\data.ms

(13) Phenanthrene-d10 (I)

16.943min (+ 0.077) 0.40 ng/u1

response 560048

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.80
80.00	11.70	11.30
0.00	0.00	0.00

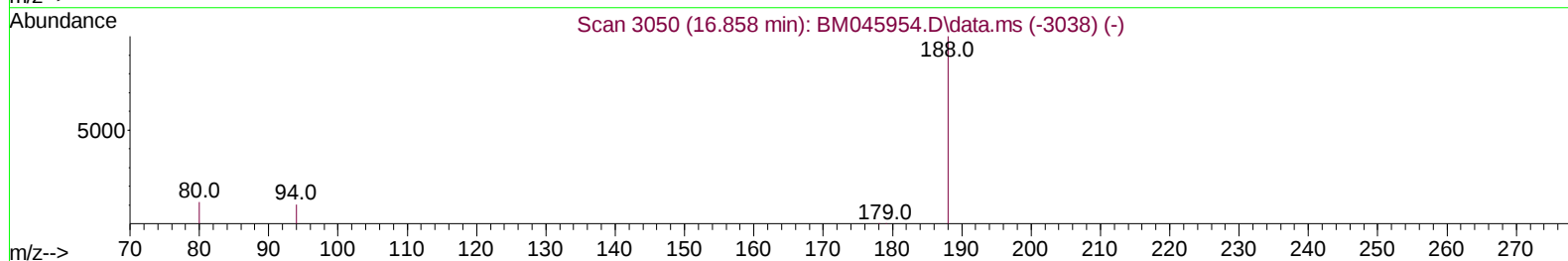
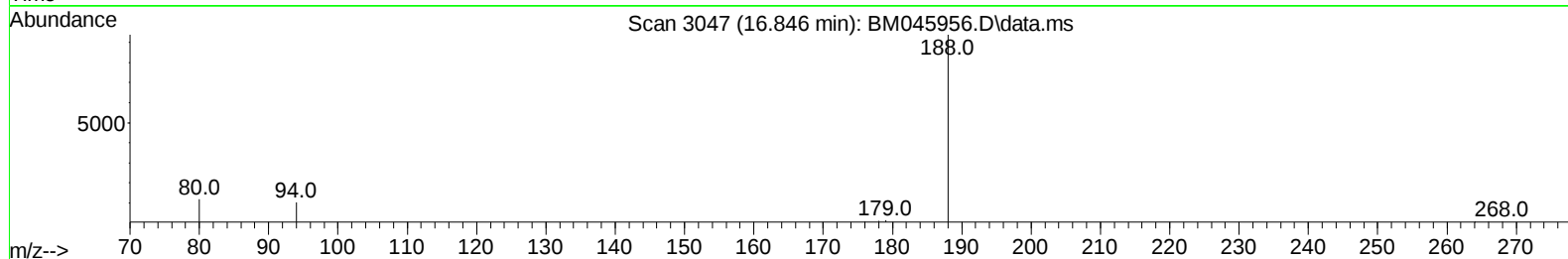
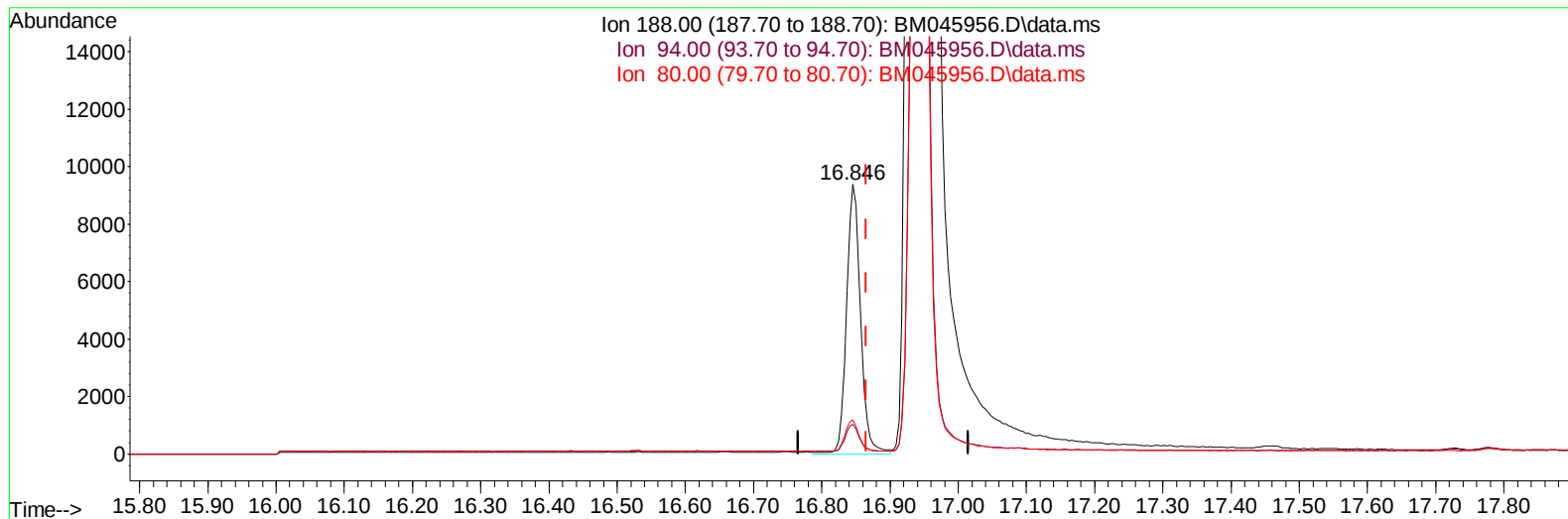
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045956.D\data.ms

(13) Phenanthrene-d10 (I)

16.846min (-0.020) 0.40 ng/u1 m

response 13503

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.08
80.00	11.70	12.59
0.00	0.00	0.00

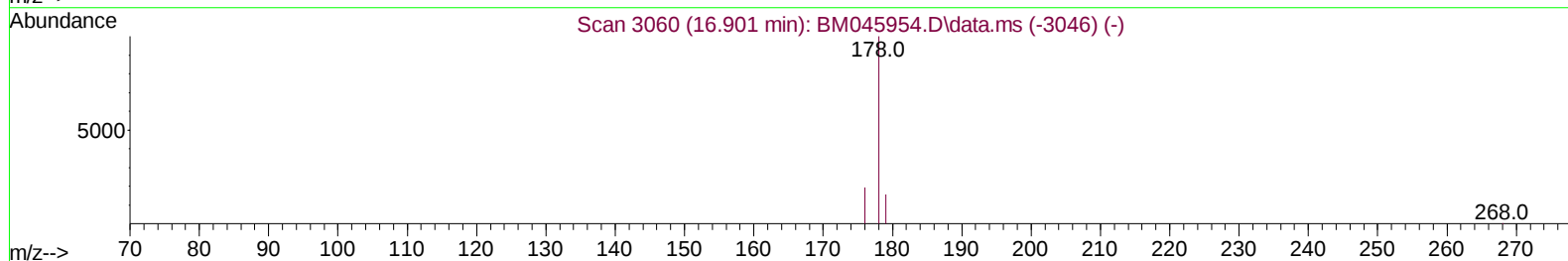
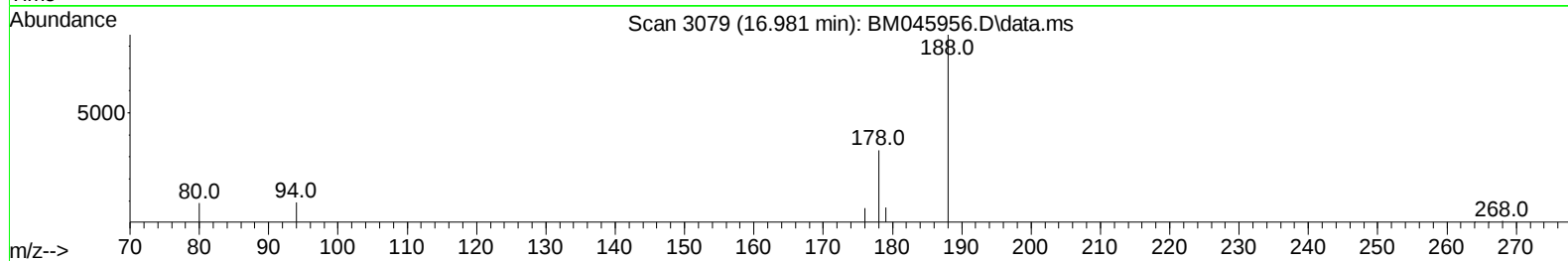
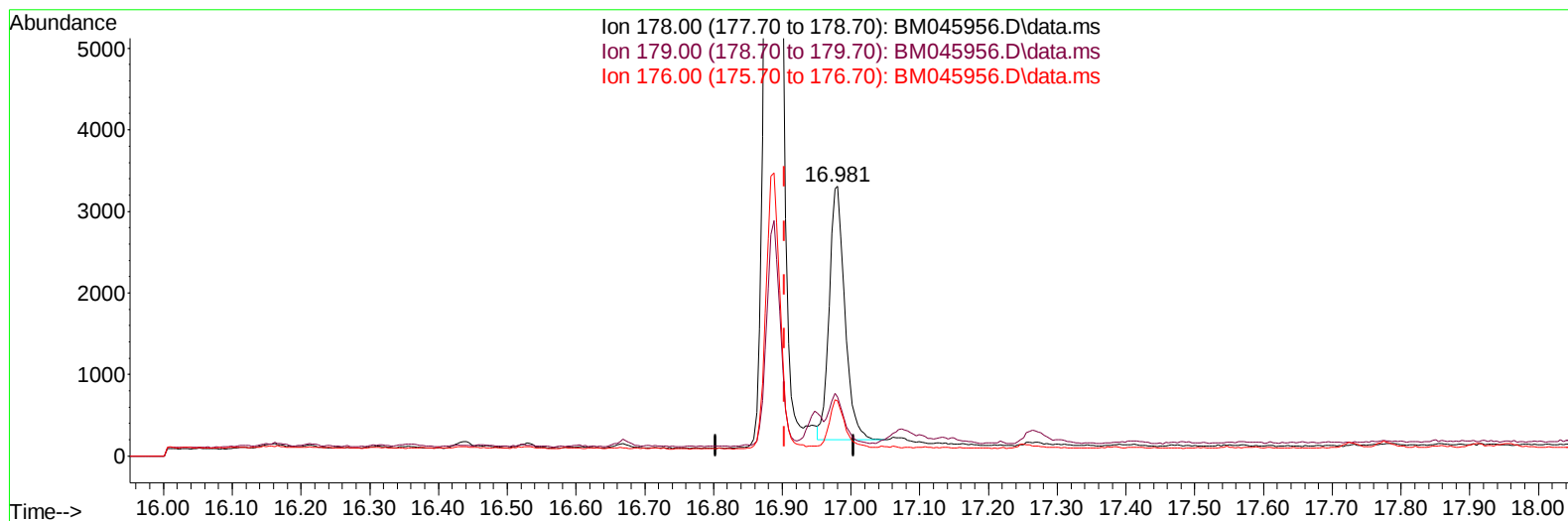
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM045956.D\data.ms

(15) Phenanthrene

16.981min (+ 0.077) 0.13 ng/u1

response 4894

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	21.72#
176.00	19.50	20.51
0.00	0.00	0.00

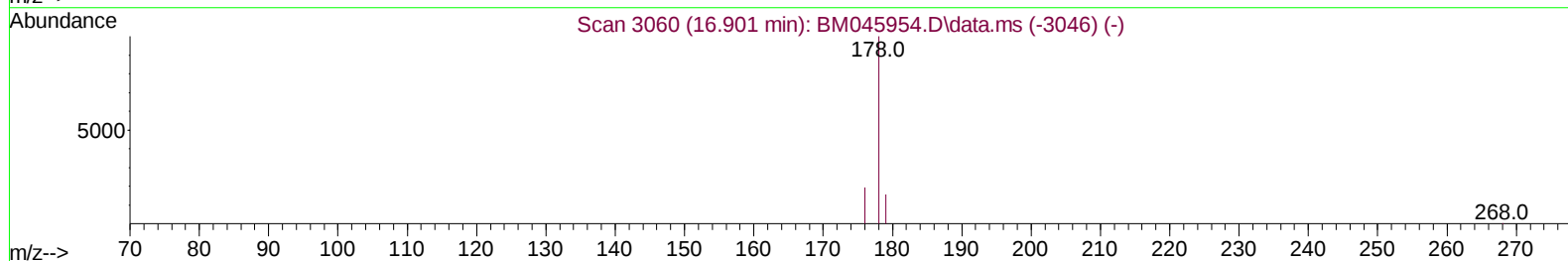
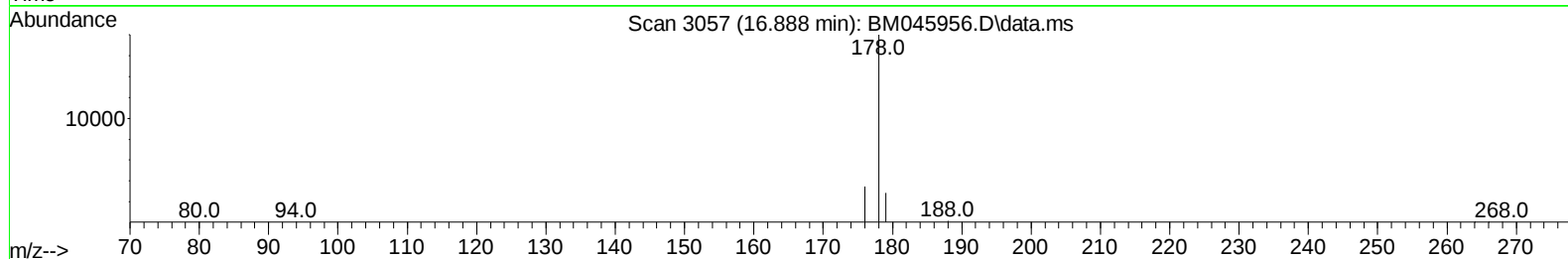
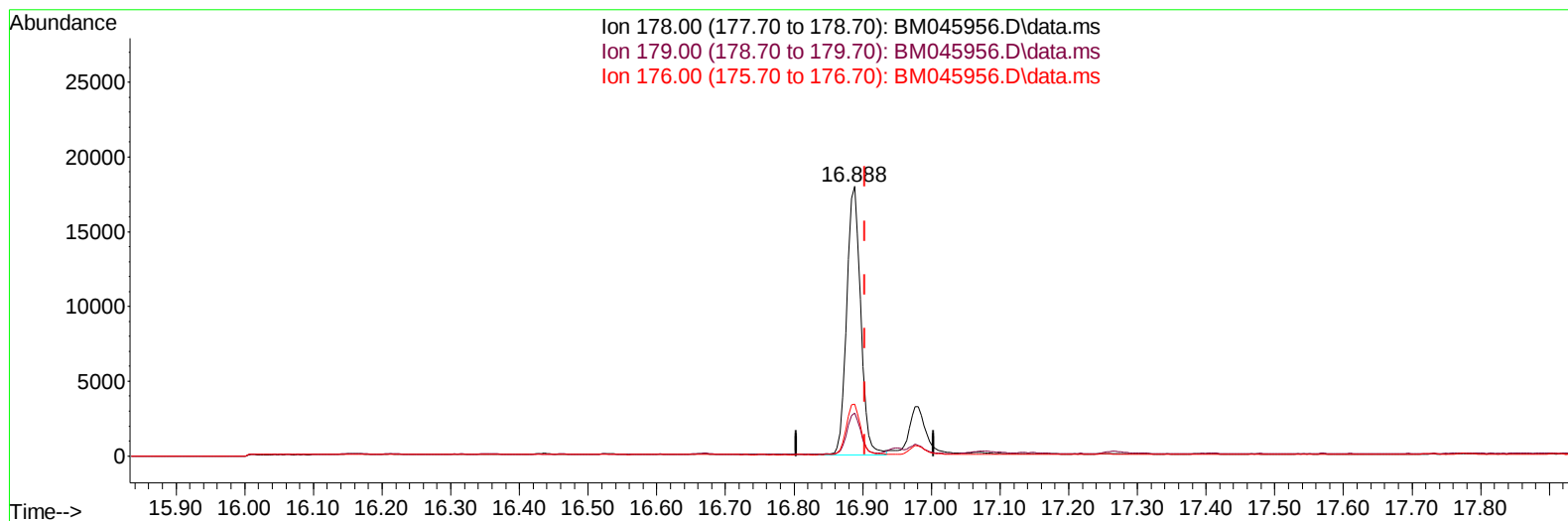
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045956.D
 Acq On : 10 Jun 2024 18:21
 Operator : MA/JU
 Sample : P2642-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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 QLast Update : Fri Jun 07 22:59:16 2024
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TIC: BM045956.D\data.ms

(15) Phenanthrene

16.888min (-0.016) 0.67 ng/ul m

response 25293

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	16.01
176.00	19.50	19.26
0.00	0.00	0.00

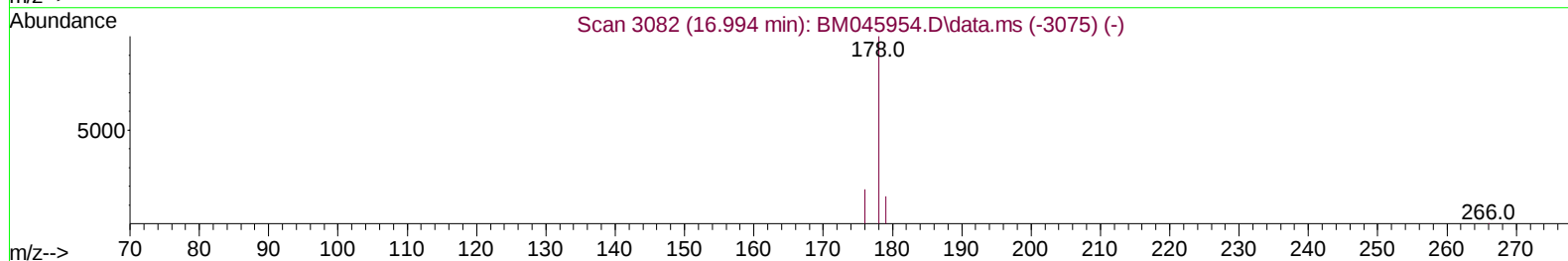
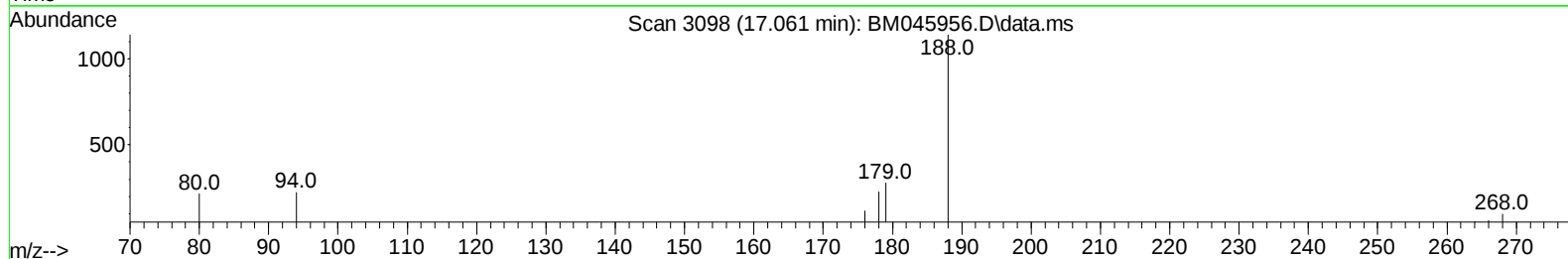
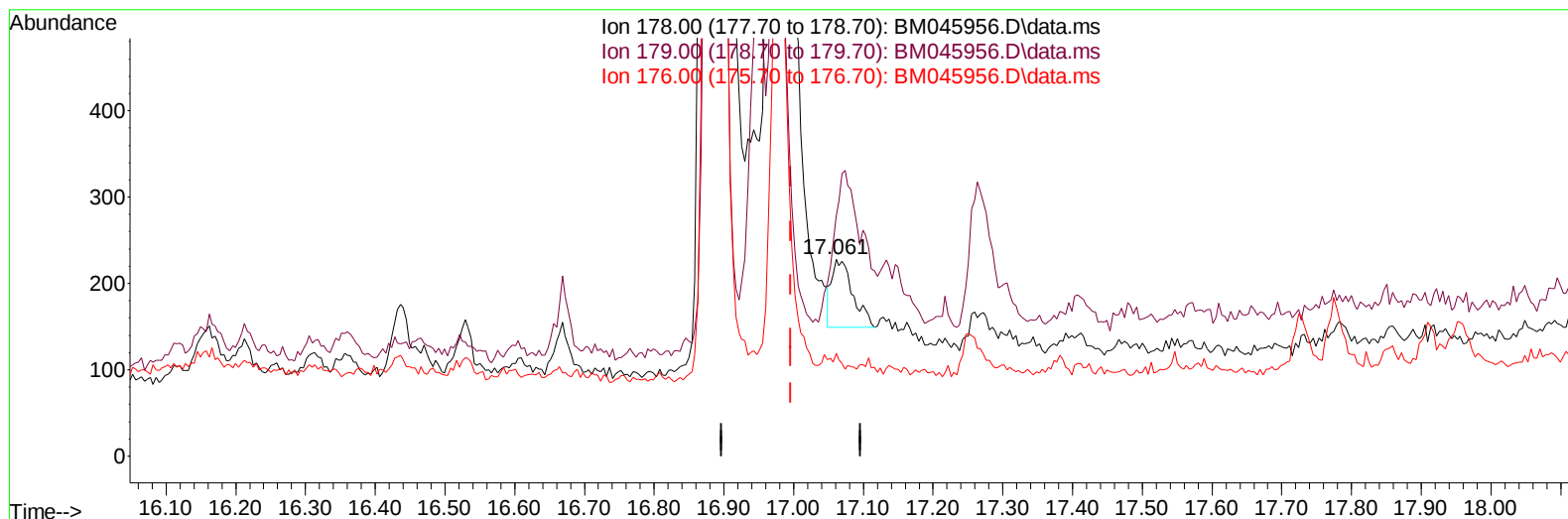
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
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TIC: BM045956.D\data.ms

(16) Anthracene

17.061min (+ 0.065) 0.01 ng/u1

response 166

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	122.37#
176.00	19.40	52.19#
0.00	0.00	0.00

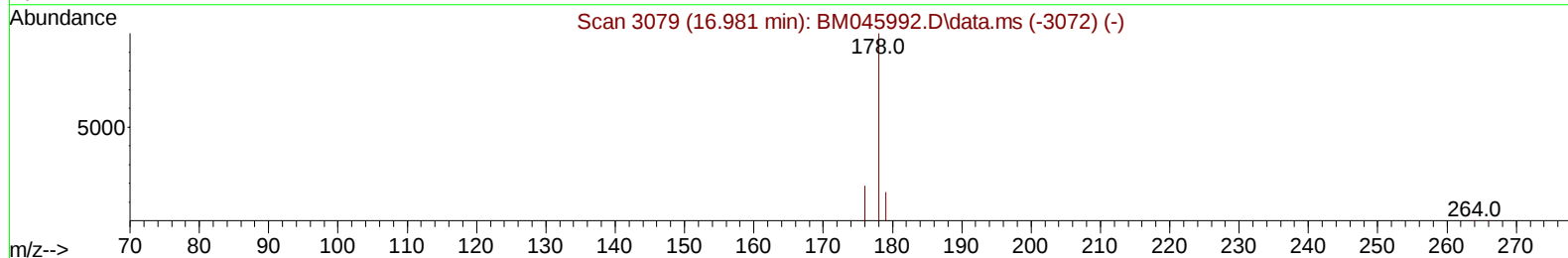
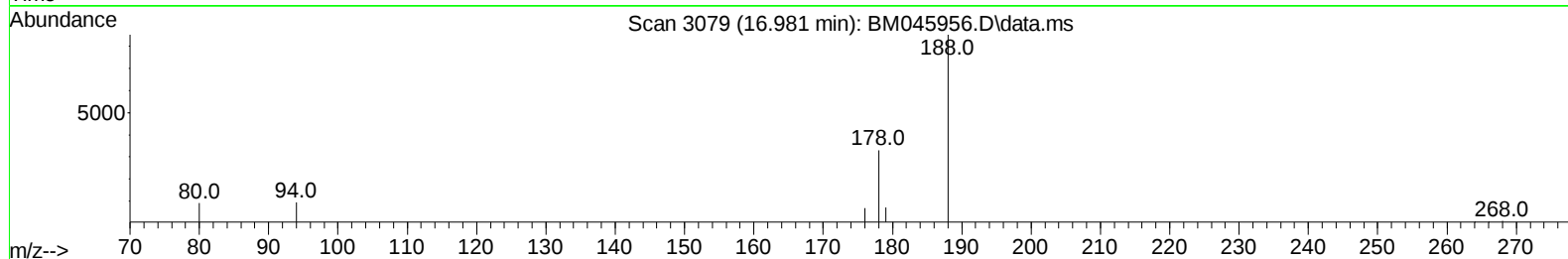
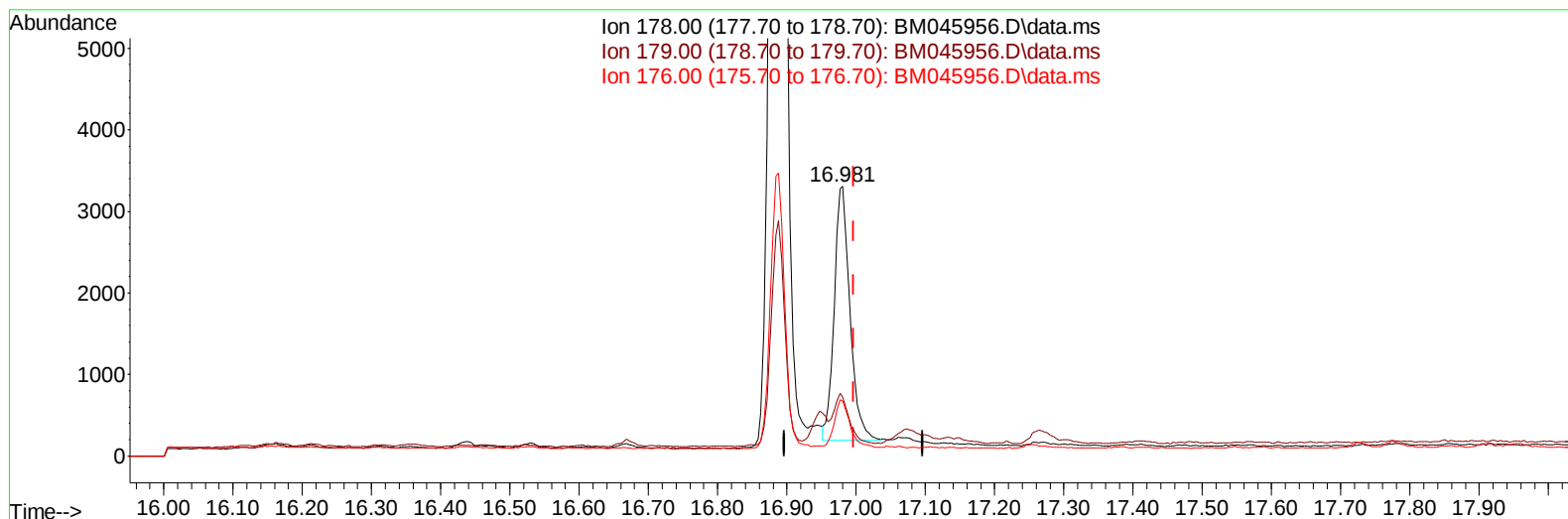
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Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

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TIC: BM045956.D\data.ms

(16) Anthracene

16.981min (-0.016) 0.15 ng/ul m

response 4927

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	21.72#
176.00	19.40	20.51
0.00	0.00	0.00

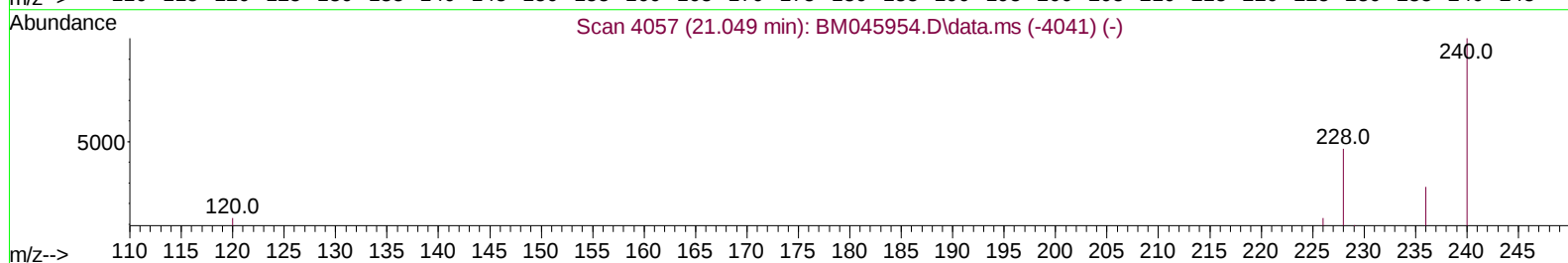
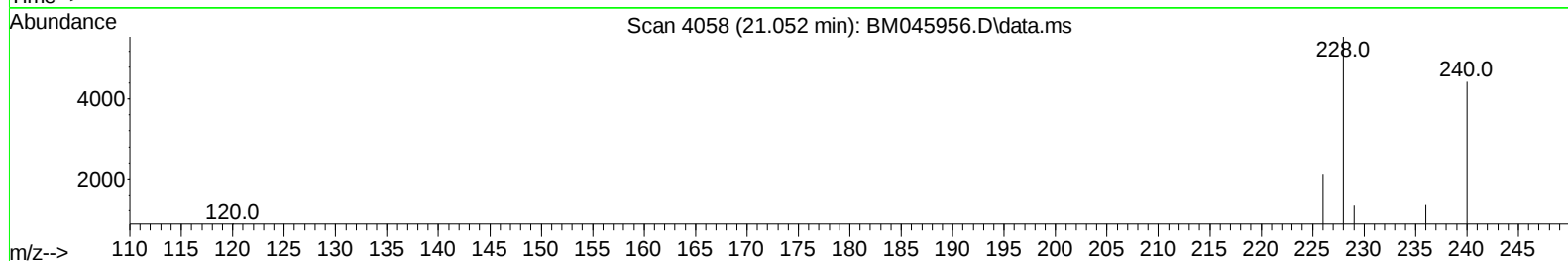
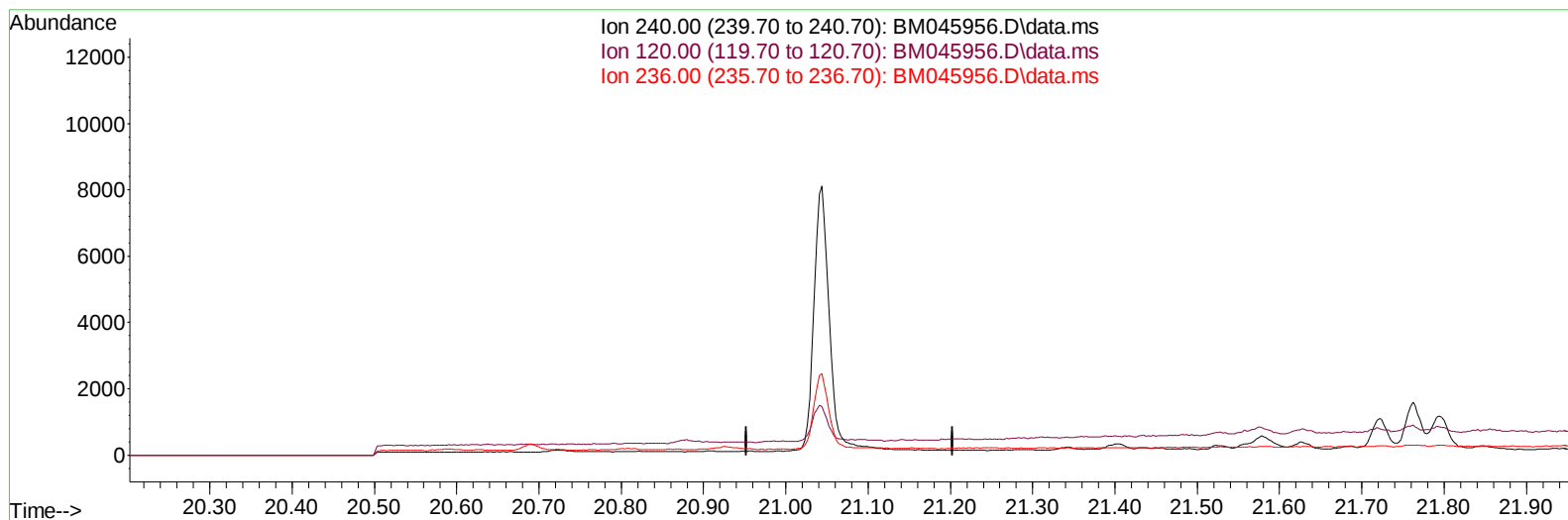
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

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TIC: BM045956.D\data.ms

(17) Chrysene-d12

21.053min (-21.053) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.10	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

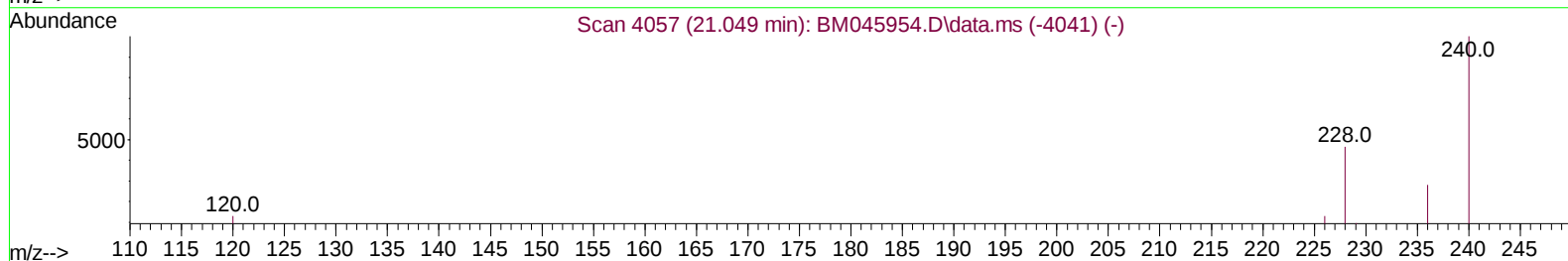
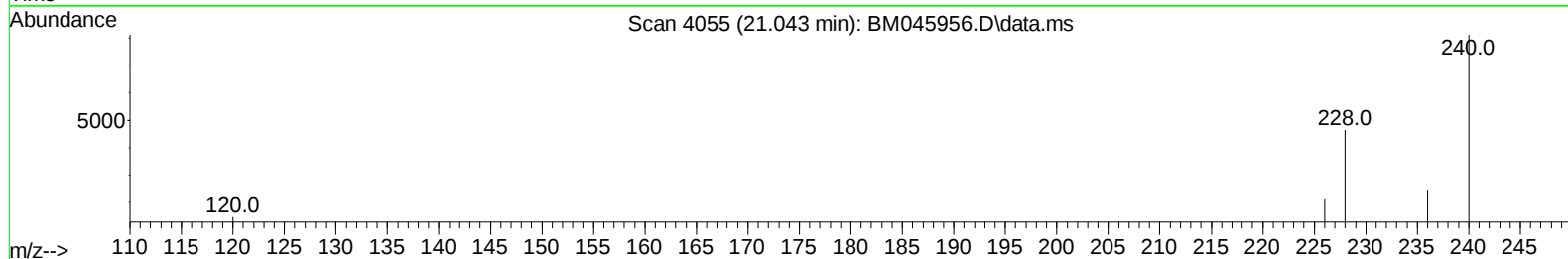
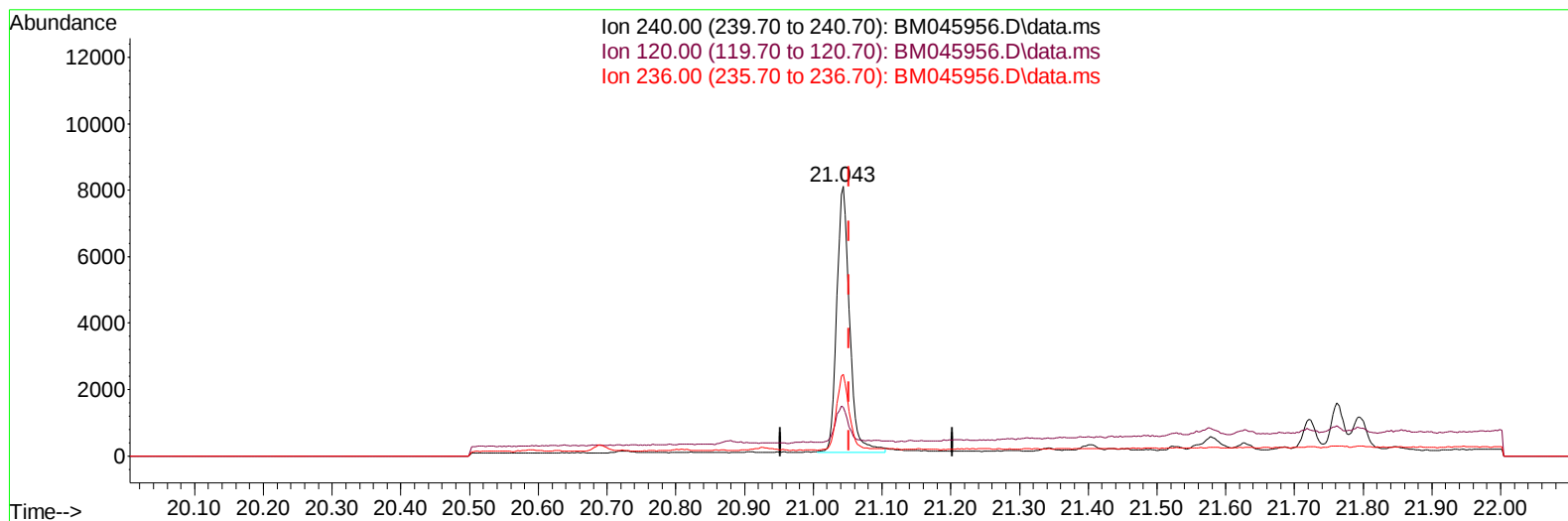
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

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TIC: BM045956.D\data.ms

(17) Chrysene-d12

21.043min (-0.009) 0.40 ng/ul m

response 10483

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	18.12
236.00	29.50	30.40
0.00	0.00	0.00

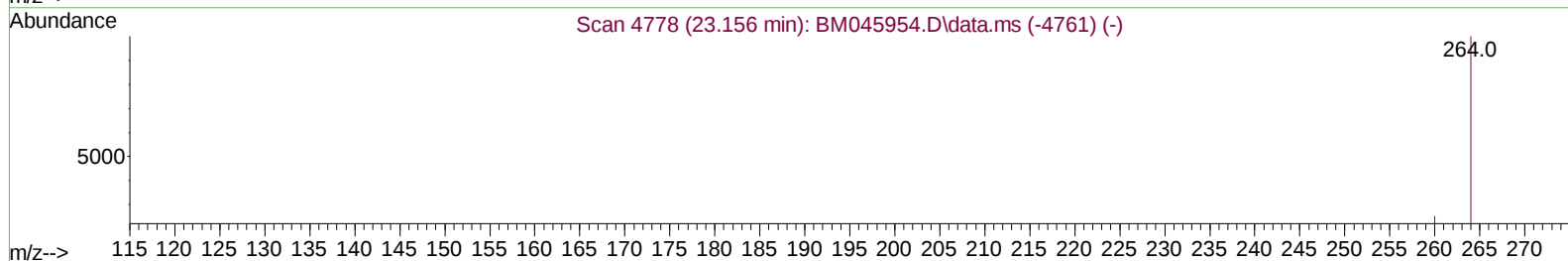
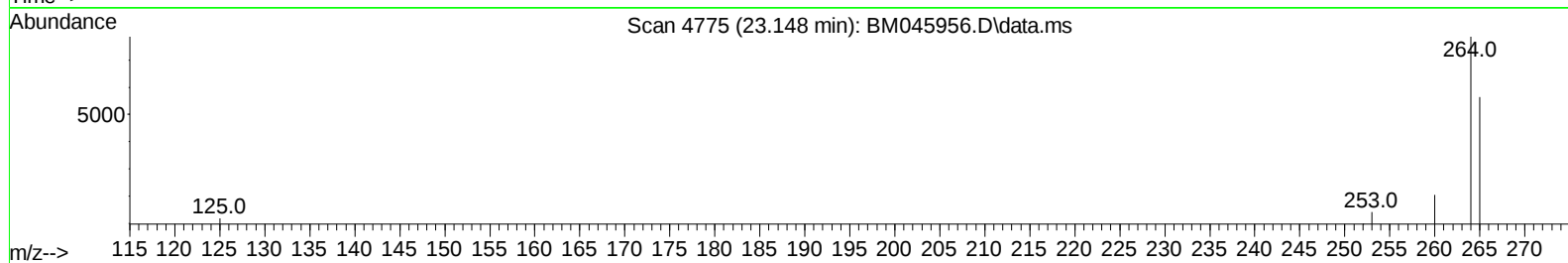
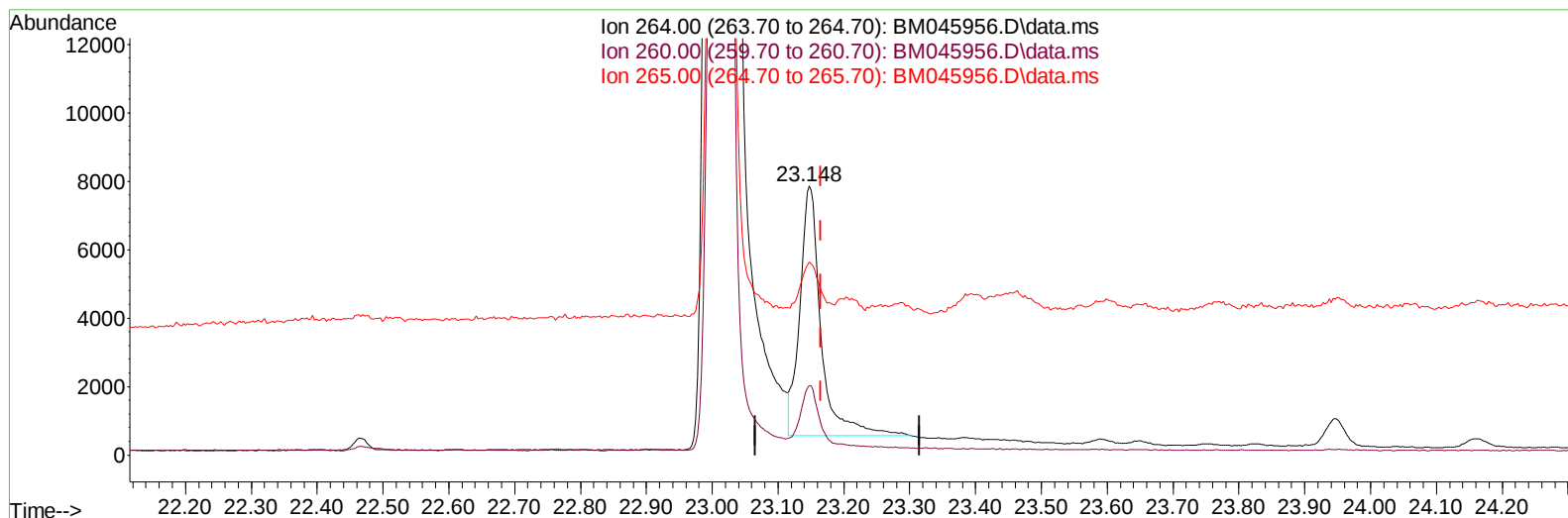
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045956.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/u1

response 16308

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.94
265.00	76.60	71.74
0.00	0.00	0.00

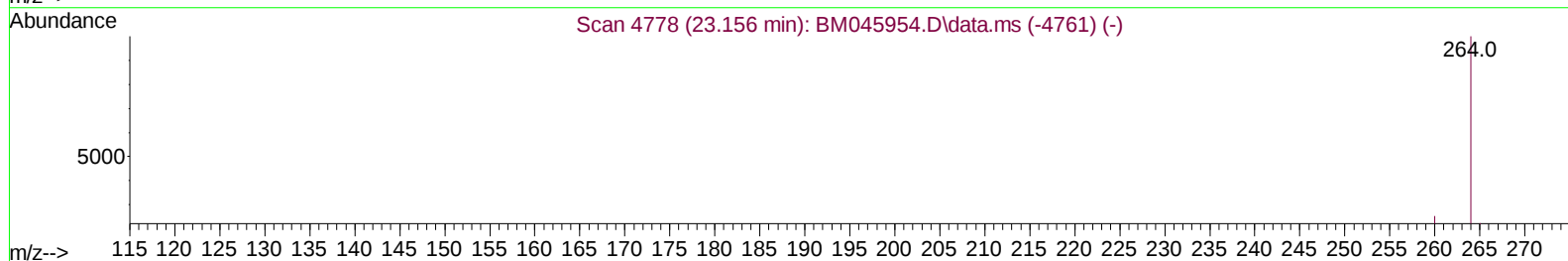
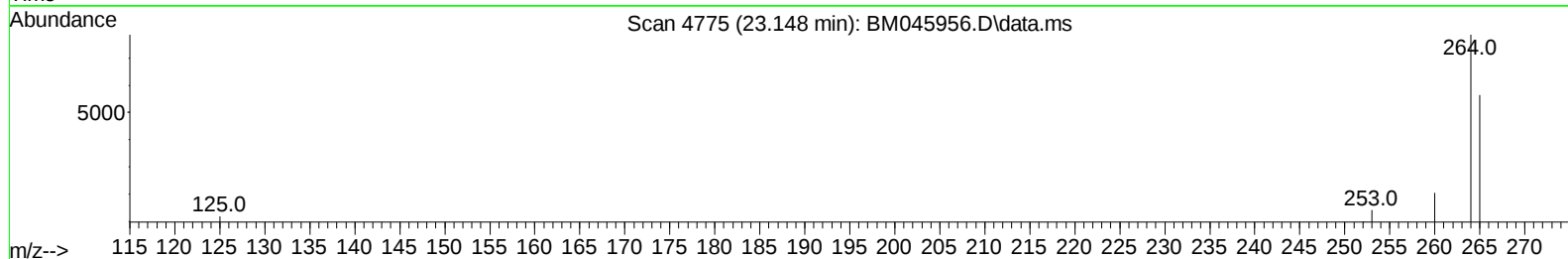
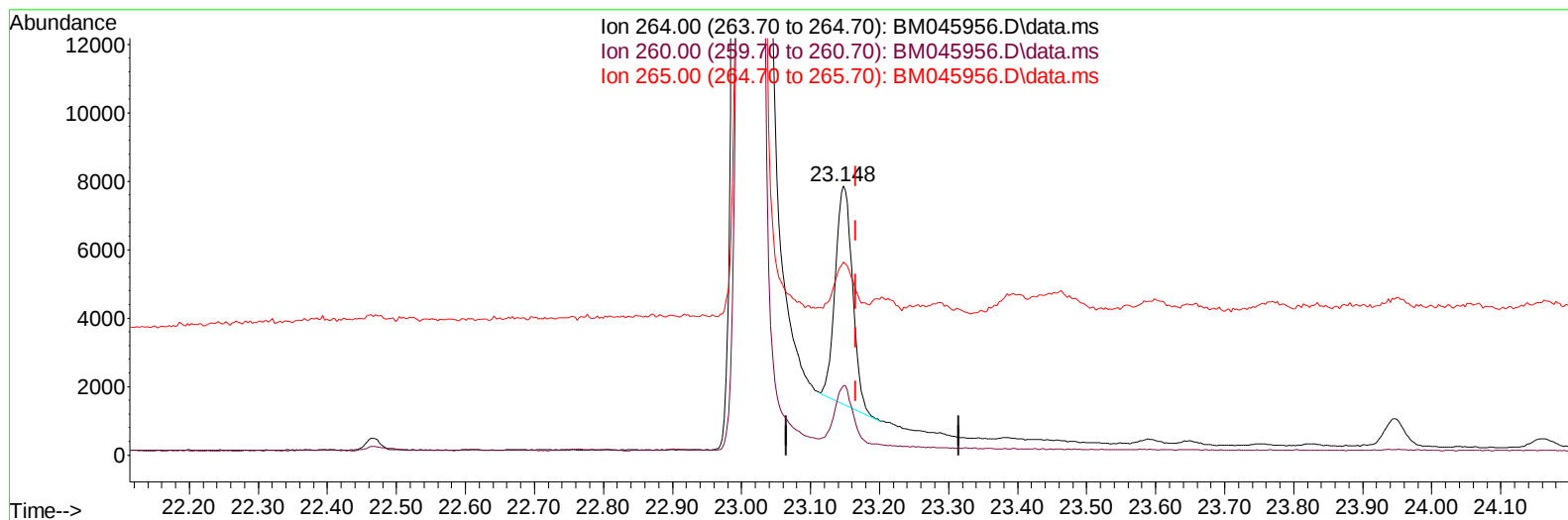
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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Response via : Initial Calibration

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TIC: BM045956.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/ul m

response 11058

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.94
265.00	76.60	71.74
0.00	0.00	0.00

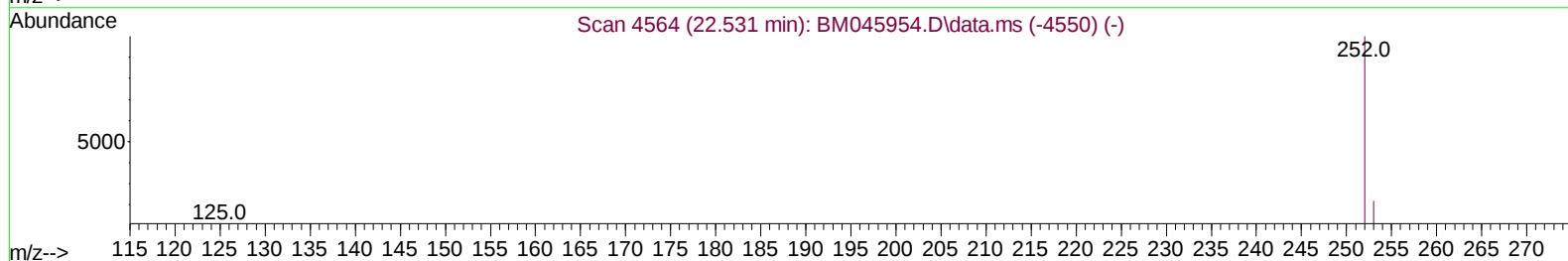
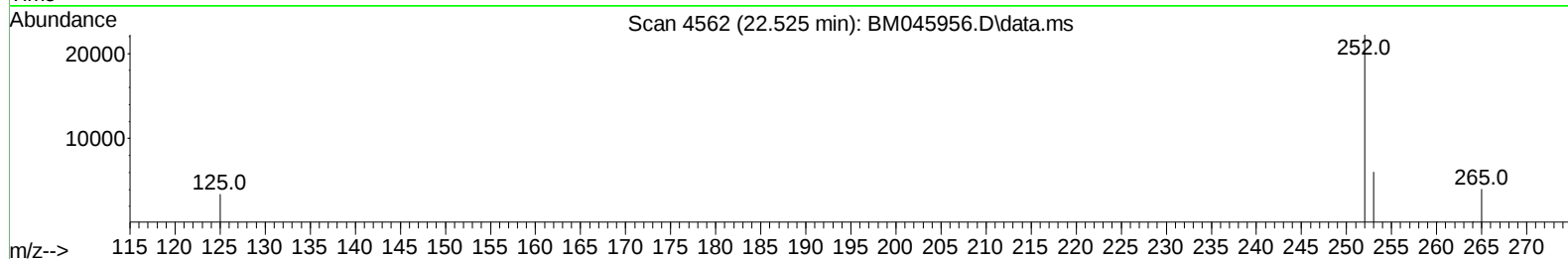
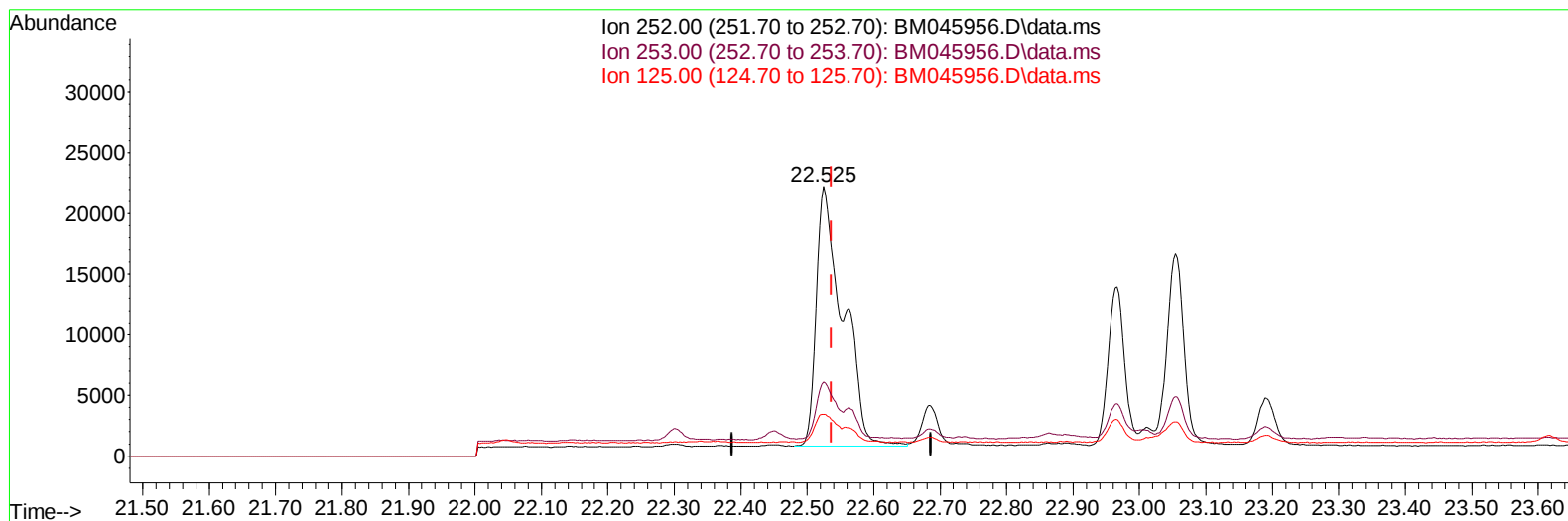
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

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TIC: BM045956.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 1.64 ng/u1

response 60156

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	27.43
125.00	17.90	15.46
0.00	0.00	0.00

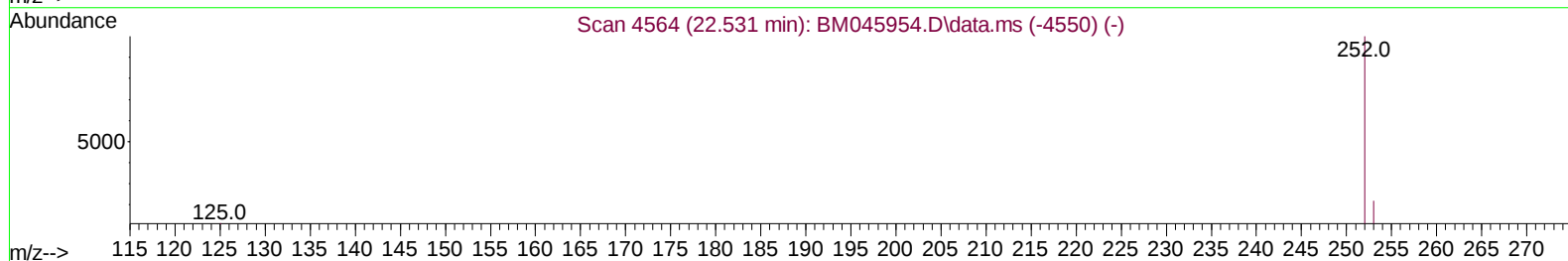
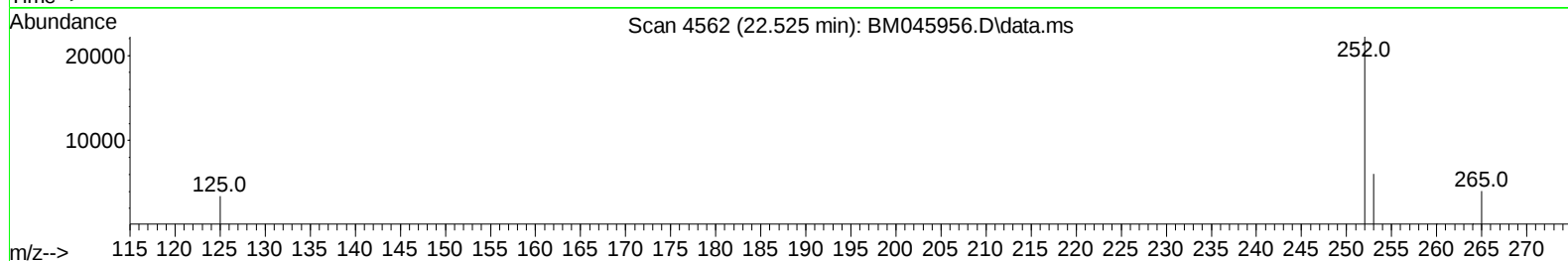
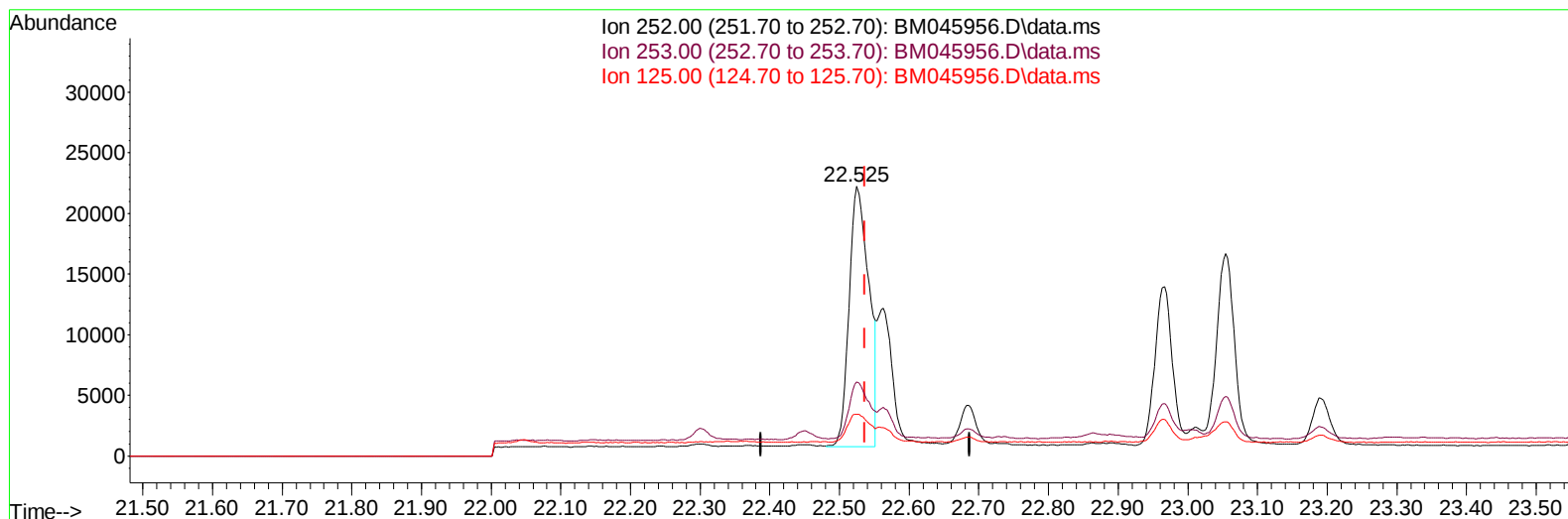
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045956.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 1.15 ng/u1 m

response 42329

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	27.43
125.00	17.90	15.46
0.00	0.00	0.00

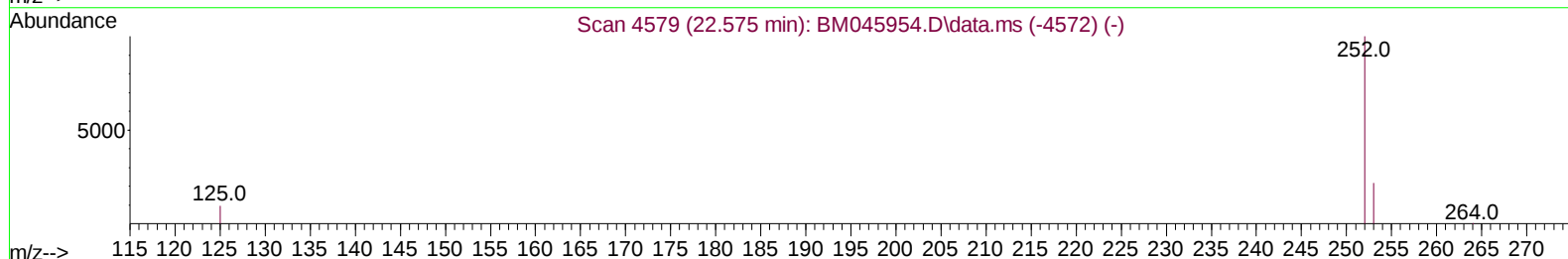
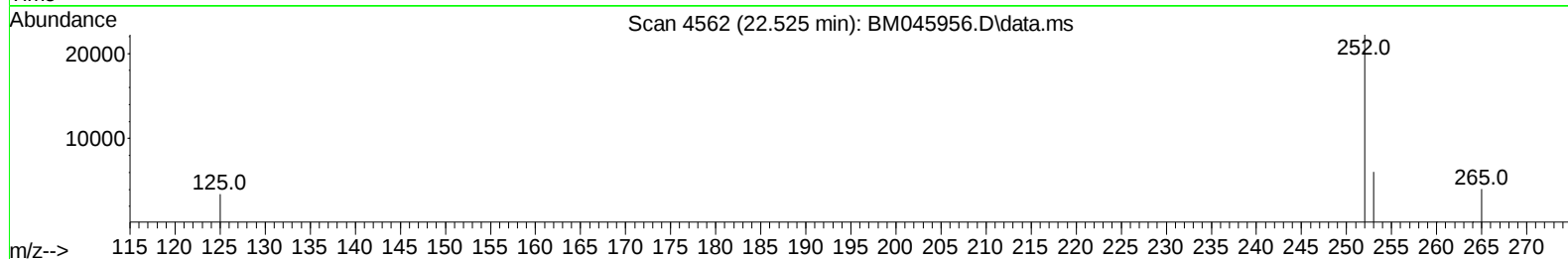
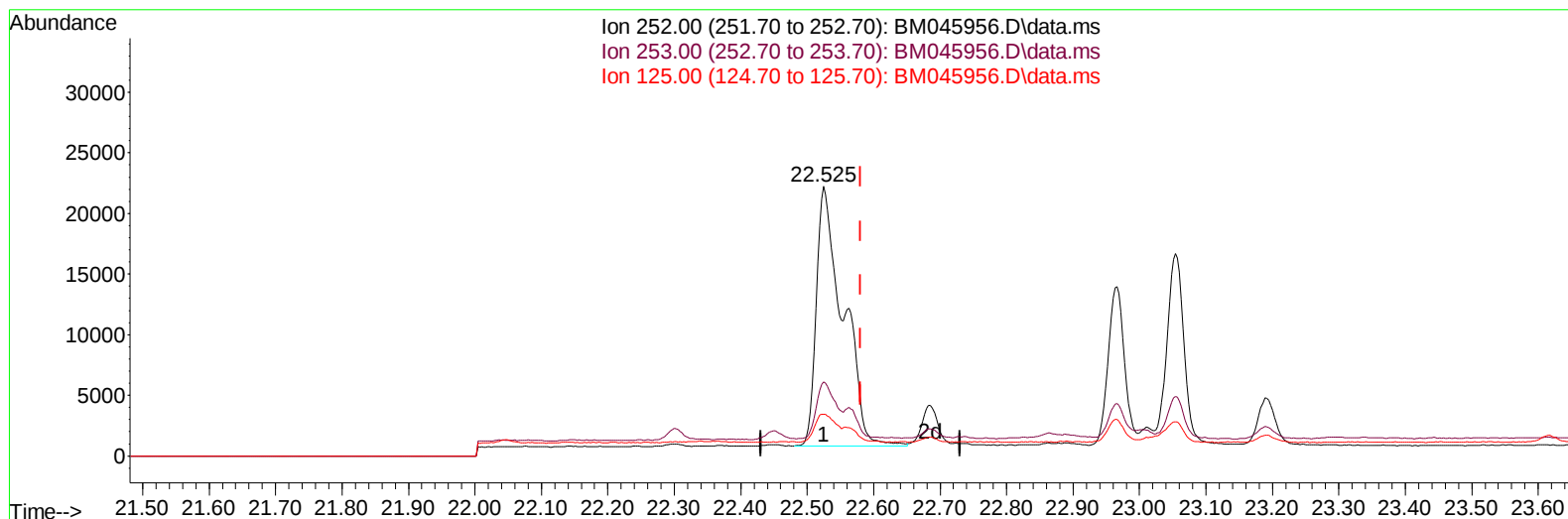
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045956.D
 Acq On : 10 Jun 2024 18:21
 Operator : MA/JU
 Sample : P2642-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH6

Manual IntegrationsAPPROVED

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TIC: BM045956.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.056) 1.49 ng/u1

response 60156

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	27.43
125.00	17.70	15.46
0.00	0.00	0.00

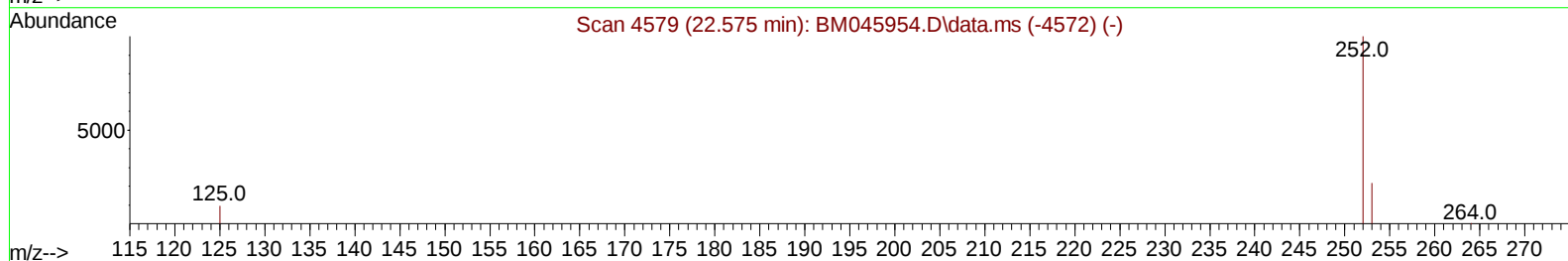
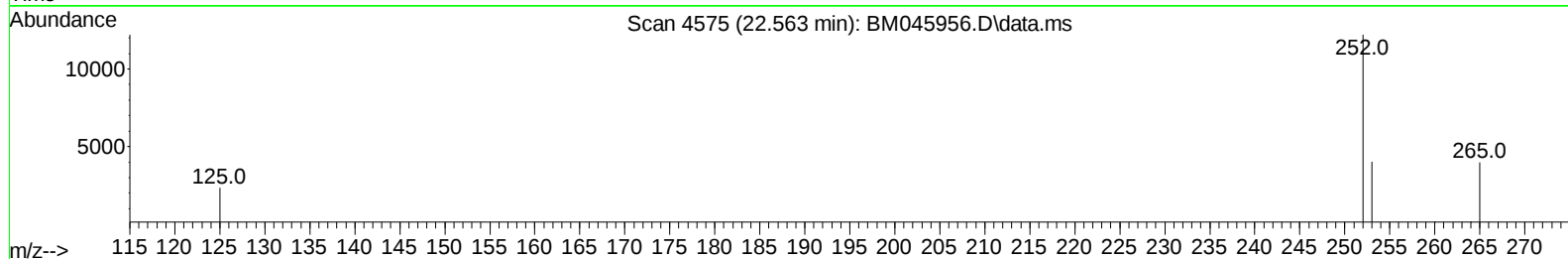
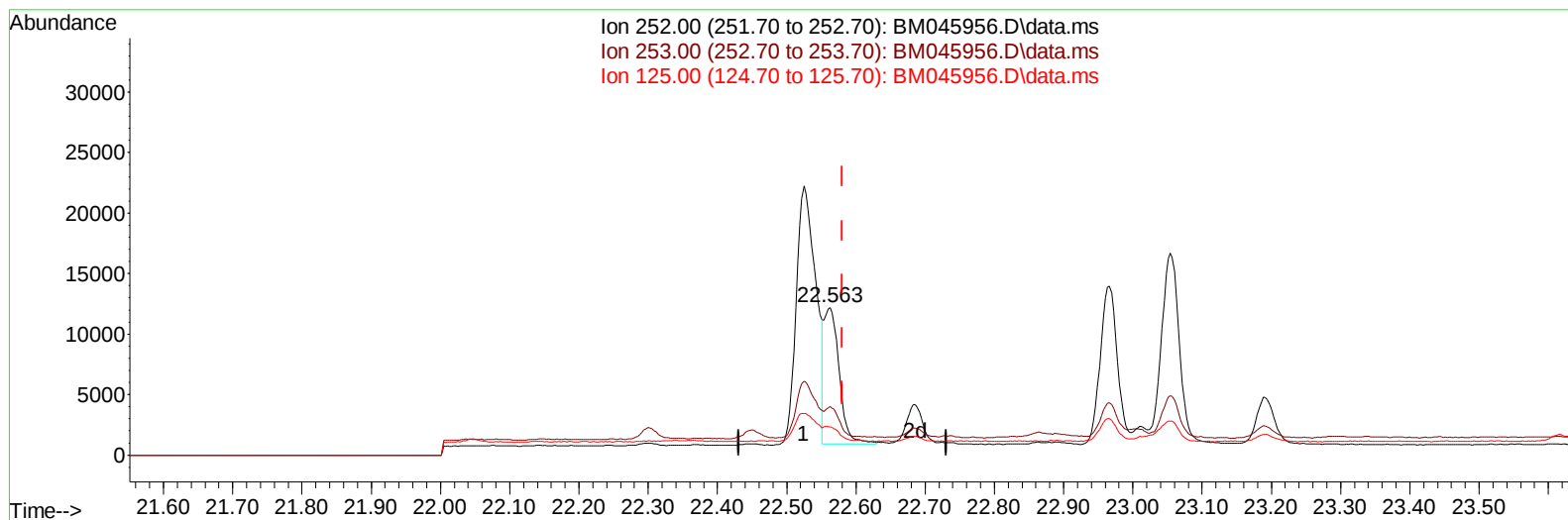
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

Quant Time: Jun 10 19:10:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045956.D\data.ms

(25) Benzo(k)fluoranthene

22.563min (-0.018) 0.42 ng/u1 m

response 16977

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	32.86
125.00	17.70	19.13
0.00	0.00	0.00

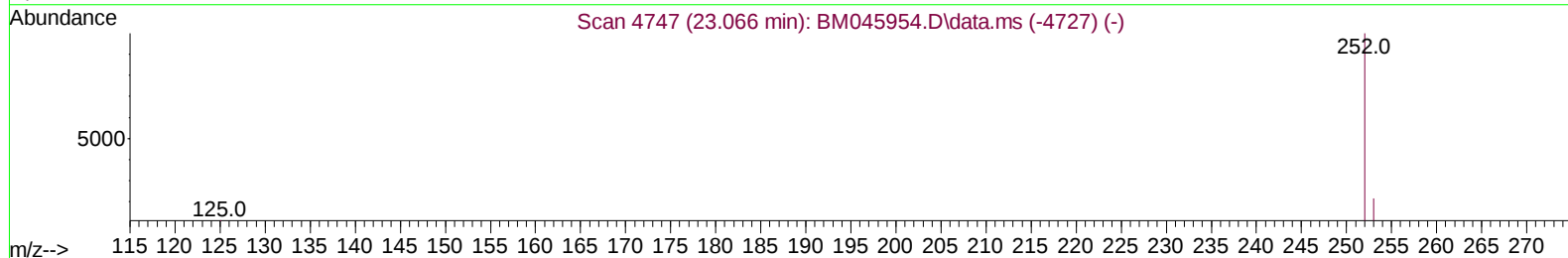
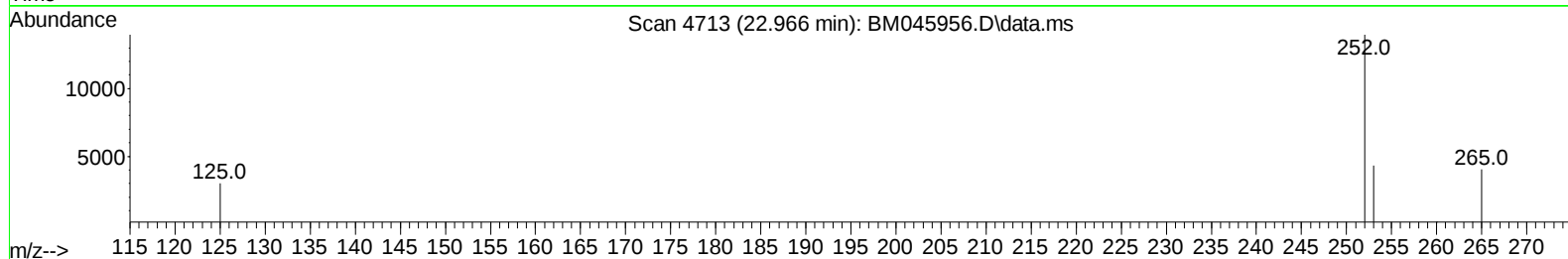
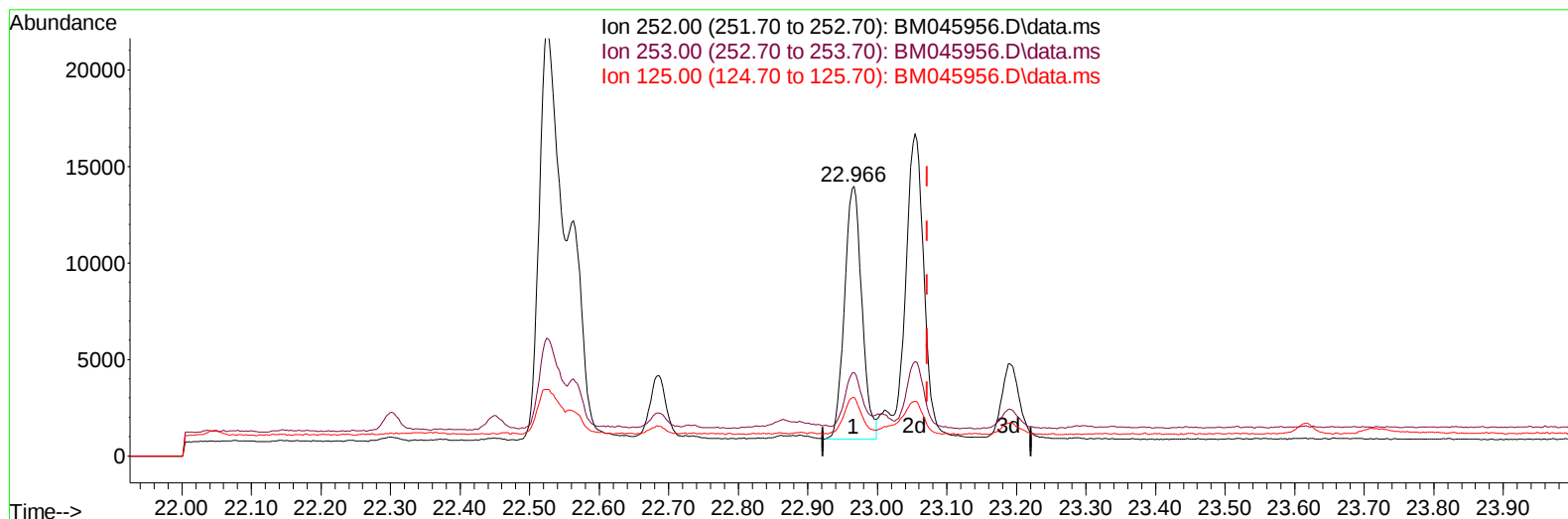
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
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TIC: BM045956.D\data.ms

(26) Benzo(a)pyrene (C)

22.966min (-0.106) 0.63 ng/u1

response 22810

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	31.05
125.00	21.60	21.75
0.00	0.00	0.00

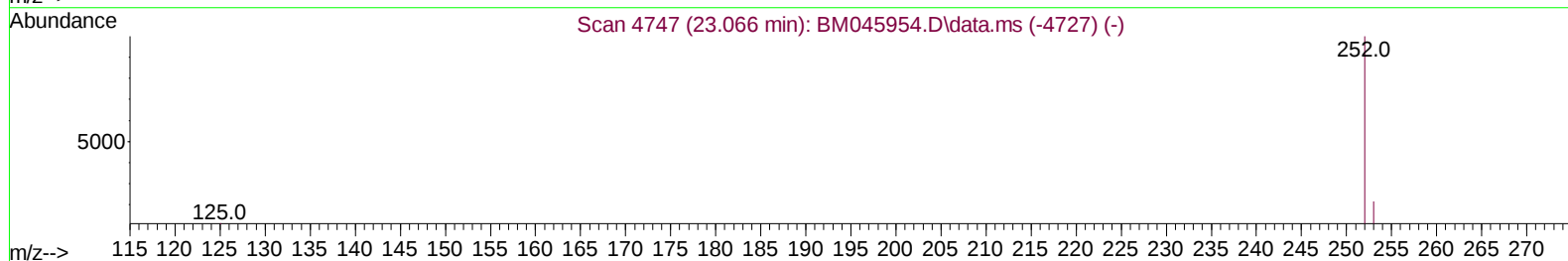
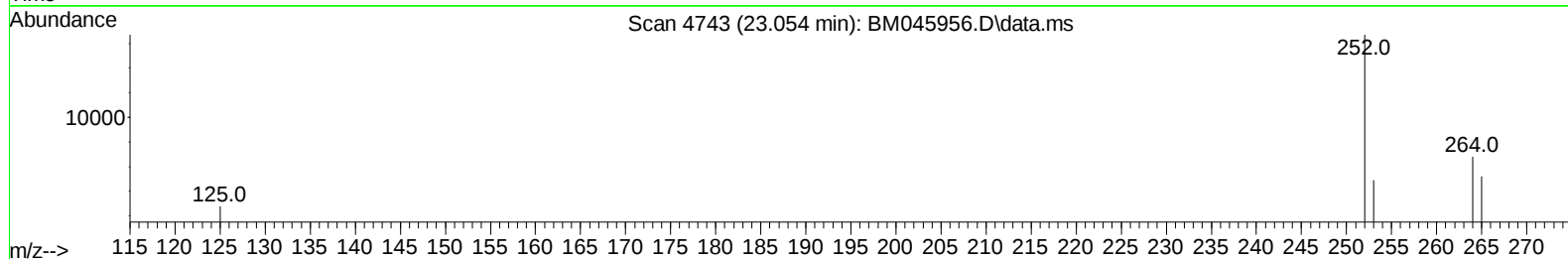
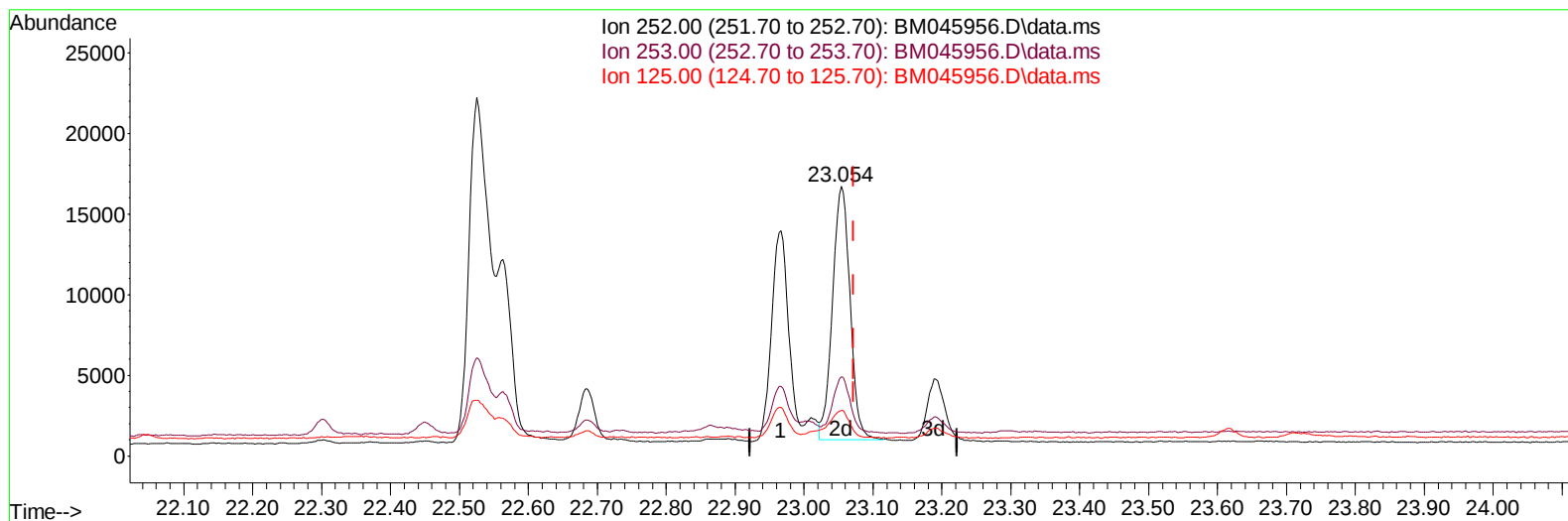
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045956.D
Acq On : 10 Jun 2024 18:21
Operator : MA/JU
Sample : P2642-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH6

Manual IntegrationsAPPROVED

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TIC: BM045956.D\data.ms

(26) Benzo(a)pyrene (C)

23.054min (-0.018) 0.77 ng/u1 m

response 27971

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	36.00	29.27
125.00	21.60	16.77#
0.00	0.00	0.00

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 Sample : P2642-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH6

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	4190	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.233	136	13296	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.109	164	6635	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.846	188	13503m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.043	240	10483m	0.400	ng/ul	0.00
23) Perylene-d12	23.148	264	11058m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	16627	3.484	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.849	152	3499	0.183	ng/ul	0.00
18) Fluoranthene-d10	18.877	212	6750	0.215	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.277	128	1353	0.039	ng/ul#	79
10) Acenaphthylene	13.822	152	2923	0.097	ng/ul#	93
11) Acenaphthene	14.169	153	909	0.041	ng/ul	96
12) Fluorene	15.159	166	1215	0.049	ng/ul#	97
15) Phenanthrene	16.888	178	25293m	0.667	ng/ul	
16) Anthracene	16.981	178	4927m	0.152	ng/ul	
19) Fluoranthene	18.909	202	60381	1.444	ng/ul	97
20) Pyrene	19.272	202	54206	1.243	ng/ul	98
21) Benzo(a)anthracene	21.026	228	25938	0.674	ng/ul	97
22) Chrysene	21.076	228	32808	0.783	ng/ul	98
24) Benzo(b)fluoranthene	22.525	252	42329m	1.154	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	16977m	0.421	ng/ul	
26) Benzo(a)pyrene	23.054	252	27971m	0.767	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.205	276	23457	0.497	ng/ul	90
28) Dibenzo(a,h)anthracene	25.212	278	5135	0.136	ng/ul#	74
29) Benzo(g,h,i)perylene	25.836	276	23838	0.586	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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